


```

OY      8 AsnAlaThrCysLysAsnTrpLeuAlaIleGluAlaIleValLeuGlnLysThrIleValIleTyrGlySer 27
Db      67 AATTGCACCTGATGAAGAAAC-----ATCCCACTCAAGAATGACACTACCTACCT 111
OY      28 IlePheTyrgLyIleGluPhenValValGlyValLeuGlnLysThrIleValIleTyrGly 47
Db      112 GTATTATTGGCATTTATTCCTTCCTCGTGAGATTTCAGGACAATGACATGAGATATCACACT 171
OY      48 TyrIlePheSerLeuLysAsnTrpAsnSerSerAsnIleTyrLeuPheAsnLeuSerVal 67
Db      172 TACATTTTCAAATAAGACACTTGGAGAGACGCCACCATCATTAATGCGAACCCTGGCTGC 231
OY      68 SerAspLeuAlaPheLeuCysThrLeuProMetLeuIleArgSerTyrAlaAsnGly-- 86
Db      232 ACAGATGTGCTGATCTGACACGACCTCCCTTCCTGATTCACATCACTATGACAGGGGAA 291
OY      87 AsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyrValLeuHisAlaAsnLeu 106
Db      292 AACCTGATCTTTGGAGATTTCATGTGATTAATCCGCTTCACCTTCATTCACCTG 351
OY      107 TyrThrSerIleLeuPheLeuThrPheIleSerIleAspArgTyrLeuIleIleLysTyr 126
Db      352 TATACACACATCCCTTCCTCCTACCTGTTTCAGCATCTTCGCTACCTGTGATCATTTAC 411
OY      127 ProPheArgGluHisLeuGlnLysGlnLysGlnPheAlaIleLeuIleSerLeuAlaIle 146
Db      412 CCAATGACCTGCTTTCCATTCACAAAACATCGATGTGACATGTGATGACCTTGCTGTG 471
OY      147 TrpValIleValThrIleGluLeuLeuProIleLeuProIleLeuAsnProvalIleThr 166
Db      472 TGGAATCATTTACAGCTGATAGCTGTATTCCTGATGACACTTTCGATACATACCAACAGG 531
OY      167 AspAsnGlyThrThrCysAsnAspPheAlaSerSerGlyAspProAsnTyrAsnLeuIle 186
Db      532 ACCAACATATGACGCTGCTGTGACCTGACACCGAGTTCGGATGAACCATATATTAAAGTG 591
OY      187 TyrSerMetCysLeuThrLeuLeuGlyPheLeuIleProIlePheValMetCysPhePhe 206
Db      592 TACAACTCGATTGTGATGCAACTACTTTCGCTCCCTCCCTGCGTAGATGACACACTTGC 651
OY      207 TyrTyrIysIleAlaLeuPheLeuLysGlnArgAsnArgGlnValAlaIarPheAlaLeuPro 226
Db      652 TATACACAGATT---ATCCACACTCTGACCCATGAGACTGCAGAACTGCACCTGCTTAAG 708
OY      227 LeuGlnLysProLeuAsnLeuValIleMetAlaValValIlePheSerValIleProMetThr 246
Db      709 ---CAGAAGACACGAGGCTTACCACTTCCTGTACTCTCTTCATTTTACGATATCTTTTAA 765
OY      247 ProTyrHisValMetArgAsnValArgIleAlaSerArgLeuGlySerTyrPlysGlnTyr 266
Db      766 CCCTTCCATATCTTGAGGCGTCAATTCGGATCGCAATCTGCCTGCTTCA-----ATC 816
OY      267 GlnCysThr---GlnValValIleAsnSerPheTyrIleValThrArgProLeuAlaPhe 285
Db      817 AGTTGTTCCATTGAGAAATCAATCAATGACGACTTACATCTGTTCTGACCATTAAGTGCT 876
OY      286 LeuAsnSerValIleAsnProvalPheTyrPheLeuLeuGlnLysPheAspMet 305
Db      877 CTGAACACCTTTGGTAACCTCTGTACTATATGTGGTGGTCAAGCAACCTTTCAGCAGGCT 936
OY      306 LeuMetAsnGlnLeuArg 311
Db      937 GTCGTCTCAACAGTGAGAG 954

RESULT_2
US-09-943-798-1
; Sequence 1, Application US/09943798
; Patent No. US20020065215A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; TITLE OF INVENTION: Polypeptide
; FILE REFERENCE: 061021
; CURRENT APPLICATION NUMBER: US/09/943, 798
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CURRENT FILING DATE: 2001-08-31
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 831
TYPE: DNA
ORGANISM: Homo sapiens
US-09-943-798-1

Alignment Scores:
Pred. NO.: 7.24e-33 Length: 831
Score: 395.50 Matches: 92
Percent Similarity: 55.73% Conservative: 54
Best Local Similarity: 35.11% Mismatches: 109
Query Match: 22.64% Indels: 7
DB: 10 Gaps: 5

US-09-765-034-2 (1-334) x US-09-943-798-1 (1-831)
QY 52 LeuYsAsnTrIPaSerSerAsnIleTyRleuPhaenLeuSerValSerAPLeuAla 71
      ::::: ||| ||||| ||| ::| |||||::: ::|||::|
Db 1 ATGAGACCTTGGAAGACGACGACCATCATATATGCTGAACCTGGCTCACAGATCTG 60
QY 72 PheLeuCyStrIleuPromeTleuIeaRgSerTyRAlaAsnGly--AsnTrPIleTyR 90
      ::::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 61 TATGTACCACCTCCCTTCCTCTCATCTACTACTATCCAGTGGCGAAACATGGATCTT 120
QY 91 GlyAspValIleuCyStrIleSerAsnArgTyRValIleuHisAlaSnLeuTyRTrnSerIle 110
      ||||| ::::| |::| |::| |::| |::| |::| |::| |::|
Db 121 GGAGATTTCATGTTGAAGATTATTCGGCTTGCTCTCCATTTCACCGTATAGCAGATC 180
QY 111 LeuPheLeuThrPheIleSerIleAspArgTyRLeuIleIleTyRTrnProPheArgGlu 130
      ||||| |::| |::| |::| |::| |::| |::| |::| |::|
Db 181 CTCCTCCACACCTGTTCCAGCATCTTCGGTACTGTGATCATTCACCAATGAGCTGC 240
QY 131 HisLeuLeuGlnTyRlySgIunPhaAlaIleLeuIleSerLeuAlaIleTrpValIleVal 150
      ::::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 241 TTTTCCATTCACAAACTCGATGTCAGTTGTACCTGCTGCTGTGGTGGATGATTTCA 300
QY 151 ThrLeuGlnLeuLeuProIleLeuProLeuIleAsnProValIleThrAspAsnGlyThr 170
      ::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 301 CTGCTAGCTCATTCGAGTACGATGACCTCTTGATCATCAACCAAGACCAACAGATCA 360
QY 171 ThrGlyAsnAspPheAlaSerSerGlyAspProAsnTyRAsnLeuIleTyRserMetCys 190
      ||| ||| ||||| ::| ||| |::| |::| |::| |::|
Db 361 GCCGTGTCGACCTCCACAGTTCGGATGAACCTCAATCATTAAGTGTGCAACCTGATT 420
QY 191 LeuThrLeuLeuGlyPheLeuIleProLeuPheValMetCysPhePheTyRlySgIle 210
      ||||| |::| |::| |::| |::| |::| |::| |::| |::|
Db 421 TTGACTGCAGACTACTTCTGCTGCTCCCTTGATATATGACTTTGCTATACACAGATT 480
QY 211 AlaLeuPheLeuTySgIunArgAsnArgGlnValAlaThrAlaLeuProLeuGlnTySgPro 230
      ::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 481 --ATCCACACTCTGACCCTCATGAGCTGCAACATGACAGCTGCCTTAAG--CAGAAAGCA 534
QY 231 LeuAsnLeuValIleMetAlaValValIlePheSerValProPheThrProTyRHisVal 250
      ||| |::| |::| |::| |::| |::| |::| |::| |::|
Db 535 CGAAGGCTAACCATTCGTGCTACTCTCTTGCAATTATTAAGTATGTTTATTAACCTTCACATC 594
QY 251 MetArgAsnValArgIleAlaSerArgLeuGlySerTyRlySgIunTyRlyGlnCysTrn--- 269
      ::||| |::| |::| |::| |::| |::| |::| |::| |::|
Db 595 TTGAGGCGCATTCGGATCGAATCGCTCGCTCTTCA-----ATCAATTTTTCATT 645
QY 270 GlnValValIleAsnSerPheTyRTrIleValIleThrArgProLeuAlaPheLeuAsnSerVal 289
      ::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 646 GAGATCATGAGTCCATGGAAGCTGATGTTTCAGACATTAACCTGCTCGAACACCTTT 705
QY 290 IleAsnProValPheTyRPhaLeuLeuGlyAspHisPheArgAspMetLeuMetAsnGln 309
      ||| ::| |::| |::| |::| |::| |::| |::| |::|
Db 706 GGTAACTGTTACTATATATGTGTGTGATGAGCAGACAACTTTAGCAGAGGCTGTCTGTACACA 765
QY 310 LeuArg 311
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Db 778 TTCCTGCCCTATCACACACTGAGACCGTC-----CACTTGACGACATGGAAA 825
Qy 265 GlnTyGlnCysThrGlnValIleAsnSerPheTyrlleValThrArgProLeuAla 284
Db 826 GTGGGTTATGCAAGAAC---AGACTGCATTAAGCCTTGGTATACACTGGCCTTGGCA 882
Qy 285 PheLeuAsnSerValIleAsnProValPheTyrlleLeuGlnYAspHisPheArgAsp 304
Db 883 GCAGCCAAATGCTGCTTCATCTCTGCTCTATTAATCTTGTGGGGGAGAAATTTTAAGAC 942
Qy 305 MetLeuMetAsnGlnLeuArg-----HisAsnPheLysSerLeuThr 318
Db 943 AGACTTAAGTCTGCACTCAGAAAAGGCCATCCACAGAGAAGCAAGACA 990

RESULT 6
US-09-866-230-6
; Sequence 6, Application US/09866230
; Patent No. US20020150901A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Andrew, et al.
; TITLE OF INVENTION: NO. US20020150901A1el Nucleic Acids, Polypeptides, Methods of Mak
; FILE REFERENCE: REG 771A
; CURRENT APPLICATION NUMBER: US/09/866,230
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/207,725
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1041)
US-09-866-230-6

Alignment Scores:
Pred. No.: 1,62e-31 Length: 1041
Score: 384.00 Matches: 102
Percent Similarity: 47.92% Conservative: 59
Best Local Similarity: 30.36% Mismatches: 125
Query Match: 21.98% Indels: 50
DB: Gaps: 11

US-09-765-034-2 (1-334) x US-09-866-230-6 (1-1041)
Qy 8 AsnAlaThrCysLysAsnTrpLeuAlaIleGlnAlaLeuGlnLysTyrr----- 24
Db 58 AATGGCACTTTCAGCAATACACACAGCAAGCACTGCACAAATGAAACTTCAAGAGAAA 117
Qy 25 TyrLeuSerIlePheTyrlleGlnPheValIleGlyValLeuGlnLysAsnThrIleVal 44
Db 118 TTTTCCCAATGTATATCTGATTAATATTTTCTGGGAGTCTGTGGAAATGGGTGTGCG 177
Qy 45 ValTyrlleTyrllePheSerLeuLysAsnTrpAsnSerSerAsnIleTyrllePheAsn 64
Db 178 AATATAGTTTCTCCAGCCTTATAGAGTCCACATCTGTGAACCTTTTCAATGCTAAAT 237
Qy 65 LeuSerValSerAspLeuAlaPheLeuGlnThrLeuProMetLeuIleArgSerTyrla 84
Db 238 CTGGCCATTTCAGATCTCTGTCATTAAGCAGCCTTCCCTTCAGGGCTGACATTAATCTT 297
Qy 85 AsnGly---AsnTrpIleTyrlleGlnAspValLeuGlnLysSerAsnArgTyrlaIleuHis 103
Db 298 AAGAGCTCCAAATGATATTTGGAGACCTGGCCTGCAGAGATTAATGCTTATTCCTGTAT 357
Qy 104 AlaAsnLeuTyrlleSerIleLeuPheLeuThrPheIleSerIleAspArgTyrlleu 123
Db 358 GTCAACATGTACAGAGATTAATTTCTGACCGTCTGAGTGTGTGTGCTTCTGCGCA 417
Qy 124 IleLysTyrlleProPheArg---GluHisLeuLeuGlnLysLeuPheAlaIleLeuIle 142
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Db 418 ATGCTTACCCCTTTGCGGCTTCTGCATGTACACAGCATAGAGATGCTGGATCTCTGT 477
Qy 143 SerLeuAlaIleTrpValLeuValThrLeuGlnLeuLeuProIleLeuProLeuIleAsn 162
Db 478 GGGATC---ATATMGATCTCTTATCATGCTTCTCCTCAATATATGCTCTG----- 522
Qy 163 ProValIleThrAspAsnGlnTyrlleThrCysAsnAspPheAlaSerSerGlnLysProAsn 182
Db 523 -----GACATGCTCTGTAGCAGAAAGCGCAGTGCATCA----- 558
Qy 183 TyrAsnLeuIleTyrlleSerMetCysLeuThrLeu----- 193
Db 559 -----TGCTTAGAGCTGATCTCTTAATAATGCTTAAGCTGAG 597
Qy 194 -----LeuGlyPheLeuIleProLeuPheValMetCysPhe 205
Db 598 ACCATGAATATATGCTTGTGGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 657
Qy 206 PheTyrlleTyrlle---IleAlaLeuPheLeuLysGlnArgAsnArgGlnValAlaThrAla 224
Db 658 TGTATCTGCTGATCATCTGAGGCTTCTGTAAAGTGAGAGTCCCAAGAAATCGGGGCTGCGG 717
Qy 225 LeuProLeuGlnLysProLeuAsnLeuValIleMetAlaValIlePheSerValPro 244
Db 718 GTTTCACAGAGAGGAGCTGACACCATCATCATCATCTTGAATCTTCTTGTGTGT 777
Qy 245 PheThrProTyrlleHisValMetArgAsnValArgIleAlaSerArgLeuGlnSerTrpLys 264
Db 778 TTCCTGCCCTATTCACACACTGAGGACCGTC-----CACTTGACGACATGGAAA 825
Qy 265 GlnTyGlnCysThrGlnValIleAsnSerPheTyrlleValThrArgProLeuAla 284
Db 826 GTGGGTTTATGCAAGAAC---AGACTGCATTAAGCCTTGTGTTATCACACTGGCCCTTGCA 882
Qy 285 PheLeuAsnSerValIleAsnProValPheTyrlleLeuGlnLysAspHisPheArgAsp 304
Db 883 GCAGCCAAATGCTGCTTCATCTCTGCTCTATTAATCTTGTGGGAGAAATTTTAAGGAC 942
Qy 305 MetLeuMetAsnGlnLeuArg-----HisAsnPheLysSerLeuThr 318
Db 943 AGACTTAAGTCTGCACTCAGAAAAGGCCATCCACAGAGAAGCAAGACA 990

RESULT 7
US-09-828-478-3
; Sequence 3, Application US/09828478
; Patent No. US2002015528A1
; GENERAL INFORMATION:
; APPLICANT: Xiao, Yonghong
; TITLE OF INVENTION: Regulation of Human CysLT2-Like GPCR
; FILE REFERENCE: 04974, 00458
; CURRENT APPLICATION NUMBER: US/09/828,478
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/195,196
; PRIOR FILING DATE: 2000-04-09
; PRIOR APPLICATION NUMBER: 60/254,876
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-828-478-3

Alignment Scores:
Pred. No.: 2.54e-31 Length: 1430
Score: 384.00 Matches: 102
Percent Similarity: 47.92% Conservative: 59
Best Local Similarity: 30.36% Mismatches: 125
Query Match: 21.98% Indels: 50
DB: Gaps: 11

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US-09-765-034-2 (1-334) x US-09-828-478-3 (1-1430)
OY      8 AsnAlaThrCysLysAsnTrpLeuAlaIaGluAlaLeuGluLysTyr----- 24
Db      310 AATGGCACCCTTCAGCAATTAACAACAGCAAGCACTGCACAAATGAAGAACTCAAGAGAGA 369
OY      25 TyrLeuSerIlePheTyrGlyIleGluPheValValGlyValLeuGlyAsnThrIleVal 44
Db      370 TTTTCCCAATGTGATATCTGATTAATTTTCTGGGGAGCTCTGGGAATGGTTGCC 429
OY      45 ValTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerSerAsnIleTyrLeuPheAsn 64
Db      430 AATATGTTGTTCTCCAGACCTTAATAAGAACTGCACATCTGTACAGCTTTCATCTCAAT 489
OY      65 LeuSerValSerAspLeuAlaPheLeuCysThrLeuPrometLeuIleArgSerTyrAla 84
Db      480 CTGGCCATTTCAAGATCTCTGCTTAAGCAGCCTTCCCTTCAGGGCTGACATATATCTT 549
OY      85 AsnGly---AsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyrValLeuHis 103
Db      550 AGAGCTCCCAATTTGATTTGGAGACCTGGCTCGAGGATTAATCTTATCTTCTGTAT 609
OY      104 AlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArgTyrLeuIle 123
Db      610 CTCACACATGTACAGCAGATATTATTTCCGACCGTGCAGTGTGCTGCTTCTCGCA 669
OY      124 IleLysTyrProPheArg---GluHisLeuLeuGluLysGluPheAlaIleLeuIle 142
Db      670 AAGGTTCAACCTTCCTGCTCTGATGTCACACACATGAGAGTGGCTGATCTCTGT 729
OY      143 SerLeuAlaIleTrpValLeuValThrLeuGluLeuLeuProIleLeuProLeuIleAsn 162
Db      730 GGGATC---ATATGATCTTATCATGCTTCTCAATATATCTCTC----- 774
OY      163 ProValIleThrAspAsnGlyThrThrCysAsnAspPheAlaSerSerGlyAspProAsn 182
Db      775 -----GACAGTGGCTCTGACGACAGACGACGATGACATCA----- 810
OY      183 TyrAsnLeuIleTyrSerMetCysLeuThrIle----- 193
Db      811 -----TGCTTAGAGCTGAATCTCTATATAAATGCTAGCTGACG 849
OY      194 -----LeuGlyPheLeuIleProLeuPheValMetCysPhe 205
Db      850 ACCATGAATATATTCCTTGGTGGTGGGCTGCTGCTGCTGCTTTCACACTCAGCATC 909
OY      206 PheTyrTyrLys---IleAlaLeuPheLeuLysGlnArgAsnArgGlnValAlaThrAla 224
Db      910 TGTATATGCGATCATTCGGGTCTGTTAAAGTGAAGTCCAGAAATCGGGCTGGGG 969
OY      225 LeuProLeuGluLysProLeuAsnLeuValIleMetAlaValAlaIlePheSerValPro 244
Db      970 GTTTCACAGAGGACGACCTGCACCATCATCATCATCTTCTCTCTGCTGT 1029
OY      245 PheThrProTyrHisValMetArgAsnValArgIleAlaSerArgLeuGlySerTrpLys 264
Db      1030 TTCCTGCCCCATACACACTGAGACCTC-----CACTTGACGACATGAGAA 1077
OY      265 GluTyrGlnCysThrGlnValValIleAsnSerPheTyrIleValThrArgProLeuAla 284
Db      1078 GTGGTATTATGCAAGAGAC---AGACTGCATTAAGCTTGGTATACACTGCGCTTGCA 1134
OY      285 PheLeuAsnSerValIleAsnProValPheTyrPheLeuLeuGlyAspHisPheArgAsp 304
Db      1135 GCAGCAATGTGCTGCTTCAATCCCTGCTCTGCTATATCTTGGGGAGAAATTTTAAGAC 1194
OY      305 MetLeuMetAsnGlnLeuArg-----HisAsnPheLysSerLeuThr 318
Db      1195 AGACTAAAGTCTGCACCTCAGAAAGGCCATTCACAGAAAGGCAGAAAGACA 1242

RESULT 8
US-09-728-952-26
: Sequence 26, Application US/09728952

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: Patent No. US20020111302A1
: GENERAL INFORMATION:
: APPLICANT: Tang, Y. Tom
: APPLICANT: Zhou, Ping
: APPLICANT: Goodrich, Ryle
: APPLICANT: Liu, Chenghua
: APPLICANT: Asundi, Vinod
: APPLICANT: Wang, Jian-Rui
: APPLICANT: Wang, Dunrui
: APPLICANT: Yamazaki, Vicki
: APPLICANT: Ujwal, Manusha L.
: APPLICANT: Drmanac, Radoje T.
: TITLE OF INVENTION: No. US20020111302A1el Nucleic Acids and
: FILE REFERENCE: Polypeptides
: CURRENT APPLICATION NUMBER: US/09/728,952
: CURRENT FILING DATE: 2000-11-30
: NUMBER OF SEQ ID NOS: 101
: SOFTWARE: PL_FL_genes Version 2.0
: SEQ ID NO 26
: LENGTH: 1700
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (232)..(1272)
: NAME/KEY: misc_feature
: LOCATION: (1)..(1700)
: OTHER INFORMATION: n = a,t,c or g
US-09-728-952-26

Alignment Scores:
Pred. No.: 3,25e-31 Length: 1700
Score: 384.00 Matches: 102
Percent Similarity: 47.92% Conservative: 59
Best Local Similarity: 30.36% Mismatches: 125
Query Match: 21.98% Indels: 50
DB: Gaps: 11

US-09-765-034-2 (1-334) x US-09-728-952-26 (1-1700)
OY      8 AsnAlaThrCysLysAsnTrpLeuAlaIaGluAlaLeuGluLysTyr----- 24
Db      289 AATGGCACCCTTCAGCAATTAACAACAGCAAGCACTGCACAAATGAAGAACTCAAGAGAGA 348
OY      25 TyrLeuSerIlePheTyrGlyIleGluPheValValGlyValLeuGlyAsnThrIleVal 44
Db      349 TTTTCCCAATGTGATATCTGATTAATTTTCTGGGGAGCTCTGGGAATGGTTGCC 408
OY      45 ValTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerSerAsnIleTyrLeuPheAsn 64
Db      409 ATATATGTTTTCCTGACCTTATTAAGAACTCCACATCTGGAACGTTTCTATCTAAT 468
OY      65 LeuSerValSerAspLeuAlaPheLeuCysThrLeuPrometLeuIleArgSerTyrAla 84
Db      469 CTGGCCATTTCAAGATCTCTGCTTAAGCAGCCTTCCCTTCAGGGCTGACATATATCTT 528
OY      85 AsnGly---AsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyrValLeuHis 103
Db      529 AGAGCTCCCAATTTGATTTGGAGACCTGGCTCGACAGATTAATGTTATCTTATCTGTAT 588
OY      104 AlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArgTyrLeuIle 123
Db      589 CTCACACATGTACAGCAGATTTATTTCTGACCGTGCAGTGTGCTGCTTCTCGCA 648
OY      124 IleLysTyrProPheArg---GluHisLeuLeuGluLysGluPheAlaIleLeuIle 142
Db      649 ATGCTTCAACCTTTCGCTTCTGATGTCACACACATGAGAGTGGCTGATCTCTGT 708
OY      143 SerLeuAlaIleTrpValLeuValThrLeuGluLeuLeuProIleLeuProLeuIleAsn 162
Db      709 GGGATC---ATATGATCTTATCATGCTTCTCAATATATGCTCTC----- 753

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Pred. No.: 1,69e-26 Length: 1068
 Score: 336.50 Matches: 88
 Percent Similarity: 47.72% Conservative: 69
 Best Local Similarity: 26.75% Mismatches: 131
 Query Match: 19.26% Indels: 41
 DB: 10 Gaps: 9

US-09-765-034-2 (1-334) x US-09-864-761-26799 (1-1068)

QY 2 LeuGlyIleMetAlaTrpAsnAlaThrCysLysAsnTrpLeuAlaIleGluAlaLeu 21
 Db 945 CTGGAGTGTCTACTGGGCTCCG----- 919
 QY 22 GluLysTrpLeuSerIlePheTrpGlyIleGluPheValGlyValLeuGlyAsn 41
 Db 918 -----GCTTATATATGTTGGCTTTGCTTGTCTGGGAATTCAGGAAT 877
 QY 42 ThrIleValValTrpGlyTrpIlePheSerLeuLysAsnTrpAsnSer-----SerAsn 59
 Db 876 GCCATCGCTATTGG-----TTCACGGGGGTTCAAGTGAAGAGACAGTCACCAT 826
 QY 60 IleTrpLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysTrpIleuPrometLeu 79
 Db 825 CTGTGTTCTCTAATCTAGCATGGGATTTCTTTCTCTTCTGCCCCGTAC 766
 QY 80 IleArgSerTrpAla---AsnGlyAsnTrpIleTrpGlyAspValLeuLysSerAsn 98
 Db 765 ATCTCCTATGTCGACATGATTTCCACTGCGCTTGGCATCTGCGTCAAGCCAA 706
 QY 99 ArgTrpValLeuHisAlaAsnLeuTrpThrSerIleLeuPheLeuThrPheIleSerIle 118
 Db 705 TCTCTACTGCCACGTTGAACATGTTGCCAGTGTCTTCTGACAGTATCAGCTG 646
 QY 119 AspArgTrpLeuIleLeuLysTrpProPheArgGluHisLeuGlnLysGluPhe 138
 Db 645 GACCATATATCCATCTGATCCATCCTGTTATCTCATGCGCATGCAACCTCAGAAC 566
 QY 139 AlaIleLeuSerLeuAlaIleTrpValLeuValThrLeuGluLeuLeuProIleLeu 158
 Db 585 TCTGTATGTCATATATATCATCTGCGCTTGGCTTCTAATTTGGCGCTCGCCCTG 526
 QY 159 ProLeuIleAsnProValIleThrAspAsnGlyThrThrCysAsnAspPheAlaSerSer 178
 Db 525 TACTCCGGGACACGTGAGTTCAATATCAATCACTCTTGTATACAAATTTTCAGAAC 466
 QY 179 GlyAspProAsnTrpAsnLeuIleTrpSerMetCysLeuThr-----LeuLeu 194
 Db 465 CATGATCTCTGACCTCTACTTTGATCAGGACCATGTTCTGACTGGGAAATTTATCAT 406
 QY 195 GlyPheLeuIleProLeuPheValMetCysPhePheTrpTrpLysIleAlaLeuPheLeu 214
 Db 405 GGTATCTCTCCCTTGGCTAACAATGATATTTGCTAC-----TTGTCTCATCTTC 352
 QY 215 LysGluArgAsnArgGlnValAlaThrAlaLeuProLeuGluLysProLeuAsnLeuVal 234
 Db 351 AAGGTGAAGAGGAGAACATC-----CTATCTCCAGTACGATTTCTGACAACT 301
 QY 235 IleMetAlaValAlaIlePheSerValProPheThrProTrpHisValMetArgAsnVal 254
 Db 300 CTGGTGTGTGTGGCTTGTGGCTTGTGTGCTATCATCAGCGTTTACATTTGG 241
 QY 255 ArgIleLeuSerArgLeuGlySerTrpLysGlyTrpGlnCysThrGlnValValIleAsn 274
 Db 240 GACCTACACCATTCACACAAATACCTATCTCCACCAT-----GTGATGCAG 196
 QY 275 SerPheTrpTrpIleValThrArgProLeuAlaPheLeuAsnSerValIleAsnProValPhe 294
 Db 195 GGTGAATCCCTCTCCACTGTTGGCATTCCTCATATGCTTGAACCCCATCTT 136
 QY 295 TyrPheLeuLeuGlyAspHisPheArgAspMetLeuMetAsnGlnLeuAlaGlnHisAsnPhe 314
 Db 135 TATGTCTATATATGTAAGAAGTTGCAA-----GCTGCTTCGGGCTCTCATGTT 88

QY 315 LysSerLeuThrSerPheSerArgTrp 323
 Db 87 GCTGATATCTCAAGTACACACTGTGG 61

RESULT 12
 US-09-864-761-10158/c
 ; Sequence 10158, Application US/09864761
 ; Patent No. US20020048763A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharon G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Wensheng
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 ; FILE REFERENCE: Aecm1ca-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761
 ; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312
 ; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR APPLICATION NUMBER: US 09/608,408
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: US 09/774,203
 ; PRIOR FILING DATE: 2001-01-29
 ; NUMBER OF SEQ ID NOS: 49117
 ; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
 ; SEQ ID NO 10158
 ; LENGTH: 1422
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: MAP TO AC007383.2
 ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.3
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.93
 ; US-09-864-761-10158

Alignment Scores:
 Pred. No.: 2.54e-26 Length: 1422
 Score: 336.50 Matches: 88
 Percent Similarity: 47.72% Conservative: 69
 Best Local Similarity: 26.75% Mismatches: 131

Query Match: 19.26% Indels: 41
DB: 10 Gaps: 9
US-09-765-034-2 (1-334) x US-09-864-761-10158 (1-1422)
QY 2 LeuGLYIleMeValaIrpAsnIaThrcysLysAsnTrpLeuAlaIaIaLeu 21
DB 1218 CTGGGAGTTGTTCACTGGGCTCCCTG----- 1192
QY 22 GluLysTrpTrpLeuSerIlePheTrpGlyIleGluPheValaIaIaValleuGlyAsn 41
DB 1191 -----GTGTAATATGTTGGCTTTGCTTCTGCGAATTCAGGAAT 1150
QY 42 ThrIleValaIaIaTrpGlyIlePheSerLeuLysAsnTrpAsnSer-----SerAsn 59
DB 1149 GCCATCGTCATTGG-----TTCACGGGGTTCAGTGAAGAAGACAGTCCACT 1099
QY 60 IleTrpLeuPheAsnLeuSerValSerAspLeuAlaPheLeuLysThrLeuPromLeu 79
DB 1098 CTGTGGTTCCTCAATCTACCATGGGATTCATTTCTTCTTCTGCCCCCTGAC 1039
QY 80 IleArgSerTrpAla---AsnGlyAsnTrpIleTrpGlyAspValleuLysIleSerAsn 98
DB 1038 ATCTCCTATGTCGCGCATATTCACCTGCGCTTGGCATCTGGCTGCAAGCAAT 979
QY 99 ArgTrpValaIleuHisAlaAsnLeuTrpThrSerIleLeuPheLeuThrIleSerIle 118
DB 978 TCCCTTCACGCGCCAGTTGAACATGTTGGCCAGTGTTCCTGACAGTATCACCTG 919
QY 119 AspArgTrpValaIleuIleLysTrpProPheArgGluHisLeuLeuLysLysGluPhe 138
DB 918 GACCACTAATATCACTTGATGATTCATCTCTATCTACATCGCATCGAACCCTCAAGAC 859
QY 139 AlaIleLeuIleSerLeuAlaIleTrpValaIaIaThrLeuGluLeuLeuProIleLeu 158
DB 858 TCTCGATGTCATATATATCATCTGCTTGGCTTGGCTTGAATGGGCGTCTGCGCG 799
QY 159 ProLeuIleAsnProValaIleThrAspAsnGlyThrThcCysAsnAspPheAlaSerSer 178
DB 798 TACTTCGGGACACGTGAGTTCATATACCTTGTCTATACCAATTTTCAGAAAG 739
QY 179 GlyAspProAsnTrpAsnLeuIleLysSerMetCysLeuThr-----LeuLeu 194
DB 738 CATGATCCGACCTCACTTGATGATCAAGCACCATGTTCTGACTTGGGTGAATTTATCAT 679
QY 195 GlyPheLeuIleProLeuPheValaIaIaMetCysPhePheTrpTrpLysIleAlaLeuPheLeu 214
DB 678 GGCTATCTCTCTCCCTTGGTACAAATAGATATTGCTAC-----TTGTGTCTCATCTTC 625
QY 215 LysGlnArgAsnArgGlnValaIaIaThrAlaLeuProLeuGluLysProLeuAsnLeuVal 234
DB 624 AAGGTCAAGACGAGGACATC-----CTGATCTCCAGTAGGCAATTTGAGACAAT 574
QY 235 IleMetAlaIaIaValaIlePheSerValProPheThrProTrpHisValaIaIaValaIa 254
DB 573 CTGGTTGTGTTGTGCTTGTGTTGTGCTGACCTTATACCTGCTTTAGCATTTGG 514
QY 255 ArgIleAlaSerArgLeuLysTrpLysGlnTrpGlnCysThrGlnValaIaIaLeuAsn 274
DB 513 GAGCTACACCATTCACCAATAGATATTCACCAT-----GTGATGCAG 469
QY 275 SerPheTrpIleValaIaIaThrArgProLeuAlaPheLeuAsnSerValIleAsnProValaIa 294
DB 468 GCTGGAATCCCTCTCCCTGCTGTTGGCATTCCTCAATAGTTGCTGAACCCCATCTCT 409
QY 295 TrpPheLeuLeuGlyAspHisPheArgAspMetLeuMetAsnGluLeuArgHisAsnPhe 314
DB 408 TATGTCCTAATATAGTAAGAATTCCA-----GCTGCTCTCGGCTCTCAGTT 361
QY 315 LysSerLeuThrSerPheSerArgTrp 323
DB 360 GCTGAGATATCTCAATACACTGTGG 334

RESULT 13
US-09-104-063-1
/ Sequence 1, Application US/09104063
/ Patent No. US20020168356A1
/ GENERAL INFORMATION:
/ APPLICANT: Lee, James
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: PPAR Receptors
/ NUMBER OF SEQUENCES: 6
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: Genentech, Inc.
/ STREET: 1 DNA Way
/ CITY: South San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94080
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: WinPatIn (Genentech)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/104,063
/ FILING DATE: 24-June-1998
/ CLASSIFICATION:
/ PRIORITY APPLICATION DATA:
/ APPLICATION NUMBER: 08/701265
/ FILING DATE: 22-AUG-1996
/ PRIORITY APPLICATION DATA:
/ APPLICATION NUMBER: 08/664228
/ FILING DATE: 06-JUN-1996
/ PRIORITY APPLICATION DATA:
/ APPLICATION NUMBER: 08/76093
/ FILING DATE: 11-JUN-1993
/ PRIORITY APPLICATION DATA:
/ APPLICATION NUMBER: 07/810782
/ FILING DATE: 19-DEC-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Love, Richard B.
/ REGISTRATION NUMBER: 34,659
/ REFERENCE/DOCKET NUMBER: P0706P2C2
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 415/225-5530
/ TELEFAX: 415/952-9881
/ TELEX: 910/371-7168
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1933 base pairs
/ TYPE: Nucleic Acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ US-09-104-063-1
/ Alignment Scores:
/ Pred. No.: 1,49e-25 Length: 1933
/ Score: 331.00 Matches: 99
/ Percent Similarity: 45.19% Conservative: 56
/ Best Local Similarity: 28.86% Mismatches: 143
/ Query Match: 18.95% Indels: 45
/ DB: 9 Gaps: 10
US-09-765-034-2 (1-334) x US-09-104-063-1 (1-1933)
QY 7 TrpAsnAlaThrCysLysAsnTrpLeu-----AlaAlaGlu-AlaAlaLeuG1 22
DB 104 TGGCATGCCACCTGCAGATGAAGATTACAGCCCCCTGATGCTAGAAACTGAGACACTCA 163
QY 22 ulsTrpTrpLeuSerIlePheTrpGlyIleGluPheValaIaIaValleuGlyAsnTh 42
DB 164 CAAGTATGTTGGATCATCGCTATGCGCTTCTGCTGACCGCTGGGAACATC 223
QY 42 IleValaIaIaTrpGlyIlePheSerLeuLysAsnTrpAsnSerSerAsnIleTrpLe 62

Db 224 CTTGGTATGCTGTCATCTTATACAGACAGGTCGGCCGCTCCGCTACATGTTACTACT 283
Qy 62 upheAsnleuSerValSerAspLeuAlaPheLeuCysThrLeuProMetLeuIleArg 82
Db 284 GCTGAACCTGGCTGGCCGACCTACTCTTGGCCGCTGACCTGGCCATCTGGGCGGCTC 343
Qy 82 rTyAlaAsnGlyAsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyrVal 102
Db 344 CAAGGTGAATGGC---TGGATTTTGGCAGATCTCTGTCAGAGGTGGTCTCACTCCGAA 400
Qy 102 uHisAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArgTyr 122
Db 401 GGAAGTCACCTTCTACAGTGGCATCTGCTGTTGGCTGCTGATAGTGGACCTTACT 460
Qy 122 uIleIleLysTyrProPheArgIleHisLeuLeuGlnLysGluPheAlaIleLeu 142
Db 461 GGCCATTTGTCATGCCACAGCACA---CTGACCACGAACGTCACCTTGGTCAAGTTGT 517
Qy 142 eSerLeuAlaIleTrpValLeuValThrLeuGluLeuLeuProIleLeuProIleAs 162
Db 518 TTGCTTGGCTGGGACGTCCTATGAATGTCCTCCCTCTCTCTCTCTCTCTCTCT 577
Qy 162 nProValIleThrAspAsnGlyThr---ThrCysAsnAspPheAlaSerSerGlyAsp 181
Db 578 GGCTTACATCCAAACATTCAGTCCAGTTCCTATGAGGCTCTGGGAATGACACAGC 637
Qy 181 oAsnTyrAsnLeuIleTyrSerMetCysLeuThrLeuGlnGlyPheLeuIleProLeu 201
Db 638 AAATGGCGGATGGTGGGATCCGCTCACACCTTTGGCTTCACTGGCGGCTGT 697
Qy 201 eValMetCysPhePheTyr---TyrIleAlaIleLeuPheLeuGlnArgAsnArg 220
Db 698 TGTCACTGCTTCTGCTATGATGATACACCTGGCTACACTGTTAAAGCCACATGGGCA 757
Qy 220 ValAlaIleThrAlaLeuProLeuGlnLysProLeuAsnLeuValIleMetAlaVal 240
Db 758 G-----AAGCACCAGCCATGAGGGTATCTTCTCTCTCTCTCTCTCTCT 799
Qy 240 ePheSerValProPheThrProTyrHisValMetArgAsnValArgIleAlaSerArg 260
Db 800 CTTCCTGCTTGGTGGCTGGCTACACCTG-----GTCCCTGGTGGCAGACACCT 850
Qy 260 uGlySerTrpLysGlnTyrGlnCysThrGlnValVal----- 272
Db 851 C-----ATGAGGACCCAGGTGATCCAGAGACCTGTGAGCCGCCAA 892
Qy 273 ---IleAsnSerPheTyrIleValThrArgProLeuAlaPheLeuAsnSerValIle 291
Db 893 CAACATCGCCGGCCCTGATGCTGATGATTTCTGGATTTCTCCATAGTGGCTCA 952
Qy 291 nProValPheTyrPheLeuLeuGlnLysAsnHisPheArgAspMetLeuMetAsnGln 310
Db 953 CCCCATCATCTACGCTTCATCGCCCAAAATTTTGGCCATGATGATTCCTCAAGATCT 1012
Qy 311 -----ArgHisAsnPheLysSerLeuThr 319
Db 1013 TATGATGCGCTGTCAGCAGAGATTTCTGGACGTCATCGTTACTCTCACTTC 1072
Qy 319 rPheSer 321
Db 1073 TTGCTCT 1079

RESULT 14
US-09-880-261-1
; Sequence 1, Application US/09880261
; Patent No. US20020048790A1
; GENERAL INFORMATION:
; APPLICANT: Winnie Chan
; APPLICANT: Derk J. Bergsma
; APPLICANT: Catherine E. Ellis
; TITLE OF INVENTION: A NOVEL G-G-PROTEIN COUPLED RECEPTOR,
; TITLE OF INVENTION: HLEFX11
; FILE REFERENCE: AOYT-500250S2

; CURRENT APPLICATION NUMBER: US/09/880,261
; CURRENT FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 09/113,933
; PRIOR FILING DATE: 1998-07-10
; PRIOR APPLICATION NUMBER: US 08/726,575
; PRIOR FILING DATE: 1996-10-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1529
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
; US-09-880-261-1

Alignment Scores:
Pred. No.: 3,19e-25 Length: 1529
Score: 326.50 Matches: 91
Percent Similarity: 47.55% Conservative: 64
Best Local Similarity: 27.91% Mismatches: 134
Query Match: 18.69% Indels: 37
DB: Gaps: 10

US-09-765-034-2 (1-334) x US-09-880-261-1 (1-1529)

Qy 5 MetAlaTrpAsnAlaThrCysLysAsnTrpLeuAlaIleGluAlaLeuGlnLysTyr 24
Db 337 ATGGTGAACAACAGTACACACTGCTGATGATTTACTGTATGTCACATAATGTGAATTT 396
Qy 25 TyrLeuSerIlePhe-----TyrGlyIleGlnPheValAlaGlyValLeuGlyAsn 41
Db 397 CAATACCTCCCTATGACACACACCTATATCCCTATATCTCTGCTGCTGCTGCTAC 456
Qy 42 ThrIleValAlaTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerAsnIleTyr 61
Db 457 AGTGCACGCTGGGGTGGTGGTGGCTGATCAGCAAGAAATAAGGCATCATTTTC 516
Qy 62 LeuPheAsnleuSerValSerAspLeuAlaPheLeuCysThrLeuProMetLeuIleArg 81
Db 517 ATGATCAACCTCTGTGGCTGACCTTGCATGATTAATCACTTACCCCTCGGATTTAC 576
Qy 82 SerTyrAlaAsnGlyAsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyrVal 101
Db 577 TATTACATCAGCACCACTGGCTTTCAGAGACCTTGGCTGCTCTCTCTCTCTCT 636
Qy 102 LeuHisAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArgTyr 121
Db 637 AAGATCTCAACATGATGACAGATTTTCTCTGACGTCATCACTCTTCAAGGTGC 696
Qy 122 LeuIleIleLysTyrProPheArgGlnHisLeuLeuGlnLysGluPheAlaIleLeu 141
Db 697 TTTTCTCTCTCAAGCCCTTCAGGGCCAGA---GACTGGAAGCGTAGCTGATGTGGGC 753
Qy 142 IleSerLeuAlaIleTrpValLeuValThrLeuGlnLeuLeuProIleLeuProIle 161
Db 754 ATCAGTCTGCACTGATGATGATGTTGGGAGACTGCTGTGGCA---TTTCCATCTGT 810
Qy 162 AsnProValIleThrAspAsnGlyThrThrCysAsnAspPheAlaSerSerGlyAsp 181
Db 811 AGAAGCAGACACTTAAACAACAACAAGTCTGC-----TTTGCTGATCTTGGTACAG 864
Qy 182 AsnTyrAsnLeuIleTyrSerMetCysLeu-----ThrLeuLeuGlyPheLeu 197
Db 865 CAATGAATGACAGTTCGTTGGTGGGATGATTAACATGCTGCTGAGCTTGGCATTTGTG 924
Qy 198 IleProLeuPheValMetCysPhePheTyrTyrIleAlaIleLeuPheLeuGlnArg 217
Db 925 ATCCAGTATCATCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 984
Qy 218 AsnArgGlnAlaIleThrAlaLeuProLeuGlnLysProLeuAsnLeuValIleMetAla 237
Db 985 CCAATGCTTTTCCAAAGGATCAGTGAAGGACGAAGAACATCGGAGATGATGATGAT 1044
Qy 238 ValValIlePheSerValProPheThrProTyrHisVal----- 250

DB 1045 GCTGACGCTTTTCATCGCTTCACCTCCATCATTAACCTTATTTTACACCANG 1104
OY 251 MetArgAsnValArgIleAlaIleAsnArgLeuGlySerTrpGlnTyrGlnCysThrGln 270
DB 1105 GTAAGGAACCATCATTCAGTACGCTT-----TGTCCCGTT 1137
OY 271 ValValIleAsnSerPheTyrIleValThrArgPro-----LeuAlaPheLeu 286
DB 1138 GTCCCAATCGCACTGTATTTTC-----CACCTTTTGGCTGTGCTTCAGAGTCTC 1188
OY 287 AsnSerValIleAsnProValPheTyrPheLeuGlyAspHisPheArgAspMetLeu 306
DB 1189 TGTGCTCTTTTGATTCGCAATTCCTTATTAAGCTTATGCTTCAGAGTTTCGACCAACTA 1248
OY 307 MetAsnGlnLeuArgHis 312
DB 1249 TCC-----CGCCAT 1257

RESULT 15
US-09-852-156-7
Sequence 7, Application US/09852156
Patent No. US20020076694A1
GENERAL INFORMATION:
APPLICANT: Littman, Dan R.
Deng, Hongkui
Dunlmez, Derya
Ramanl, Vineet N.K.
TITLE OF INVENTION: NOVEL ALTERNATIVE G-COUPLED RECEPTORS
ASSOCIATED WITH RETROVIRAL ENTRY INTO CELLS, METHODS OF
IDENTIFYING THE SAME, AND DIAGNOSTIC AND THERAPEUTIC USES
THEREOF
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/852,156
FILING DATE: 09-May-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1049-1-009NCIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1083 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHEetical: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-852-156-7

Alignment Scores:
Pred. No.: 4.57e-25 Length: 1083
Score: 323.00 Matches: 83

Percent Similarity: 48.21% Conservative: 65
Best Local Similarity: 27.04% Mismatches: 141
Query Match: 18.49% Indels: 18
DB: 10 Gaps: 6

US-09-765-034-2 (1-334) x US-09-852-156-7 (1-1083)

OY 25 TyrLeuSerIlePheTyrGlyIleGluPheValIleGlyValLeuGlyAsnThrIleVal 44
DB 103 TCTCTAGACAGCTGTGGAGAGCGGCTCCTCTGTGCAAGGAGCTCCTACATGATCTCC 162
OY 45 ValTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerSerAsnIleTyrLeuPheAsn 64
DB 163 ATGGGAGCGTTCATTTCAAAACCCGACCCAGACACTGATGACATCTTTATCATCAT 222
OY 65 LeuSerValSerAspLeuAlaPheLeuGlySerThrLeuProMetLeuIleArgSerTyrIle 84
DB 223 CTGGCTGCTCTGACTTCAATTTTCTTGTACATTCCTCTCTGGGTGATTAAGAGCA 282
OY 85 Asn---GlyAsnTrpIleTyrGlyAspValLeuGlySerAsnArgTyrValLeuHis 103
DB 283 TCTCTAGACAGCTGTGGAGAGCGGCTCCTCTGTGCAAGGAGCTCCTACATGATCTCC 342
OY 104 AlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArgTyrLeuIle 123
DB 343 GTCAATATGCACTGCAGAGTCTCCTGCTCCTCATGATGATGATGACCGCTACCTGGCC 402
OY 124 IleLysTyrProPheArgGlnIleLeuGlnLysGlnPheAlaIleLeuIleSer 143
DB 403 ATTGTGTGCGCCAGTGTCTATCCAGAAATTCAGAGAGACAGCTGTGCATATGATCTGT 462
OY 144 LeuAlaIleTyrPheValLeuValThrLeuGlnLeuLeuProIleLeuProLeuIleAsnPro 163
DB 463 GCCACATCTGTTATCTCTGCTGCGGAGTGTCTACTCTCTGTCCAGGAGCTC 522
OY 164 ValIleThrAspAsnGlyThrThrCysAsnAspPheAlaSerSerGlyAspProAsnTyr 183
DB 523 ACGGTGATGATGATGAATGACCATATCTGT-----GCAGAGAAAAGCAATCCAAAT 573
OY 184 AsnLeuIleTyrSerMetCysLeuThrIleLeuGlyPheLeuIleProLeuPheValMet 203
DB 574 AAACATCATATGCTCCCTGCTGCTGCTTAAATTTTACACTTTTGTGCTTGTGAGCAT 633
OY 204 -----CysPhePheTyrTyrIleAlaLeuPheLeuLysGlnArgAsnArg 219
DB 634 GTGACCTCTACTACTGTGATTCAGAGAGCTGTGCCATTACCAATCAGAGAAAG 693
OY 220 GlnValAlaThrAlaLeuProLeuGlnLysProLeuAsnLeuValIleMetAlaValAl 239
DB 694 CAC-----ACAAAAGCTGAAGAAATCTATAAAGATCATCTTATTTGCTGGCA 744
OY 240 IlePheSerValProPheThrProTyrHisValMetArgAsnValArgIleAlaSerArg 259
DB 745 GCTTTCTTGTCTGCTGCTGCTGCTTCAATTTTCAAGTTCCTGCGCATTCCTCTCT 801
OY 260 LeuGlySerTrpLysGlnTyrGlnCysThrGlnValValIleAsnSerPheTyrIleVal 279
DB 802 ---GGGTGCGGCAAGACACTATTACCTCAGCTATTTCACTGATGAGAGTG 858
OY 280 ThrArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrPheLeuGln 299
DB 859 AGTGAGCCCTTGCAATTTGGCCAAAGCTGTCAACCTTCATTTACTATATCTTCGAC 918
OY 300 AspHisPheArgAspMetLeuMetAsnGlnLeu-----ArgHisAsnPhe 314
DB 919 AGCTACATCCCGCGGCGCATTCCTCAGCTGCTTGTGCTTGCCTTGCCTTAAACATATGCTTT 978
OY 315 LysSerLeuThrSerPheSer 321
DB 979 GGGAGTACGACTGAGACATCA 999

Search completed: December 9, 2002, 12:25:21

Job time : 72 secs

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